

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US,09/630,319

DATE: 08/11/2000

TIME: 11:44:11

Input Seq.: A:\SEQ LISTING.txt

Output Seq.: N:\CRF3\08142000\I630319.raw

```

1 11<> APPLICANT: Edward A. H.
2 12<> Hinson, Dennis
3 13<> ATTORNEY: Edward E.
4 14<> TITLE OF INVENTION: DETECTION AND PREVENTION
5 15<> Infectious Disease
6 16<> FILE REFERENCE: 010391 01/ZHEL
C--> 14<140> CURRENT APPLICATION NUMBER: US,09/630,319
C--> 14<141> CURRENT FILING DATE: 2000-07-31
17 170<> PRIOR APPLICATION NUMBER: US 08/290,001
18 180<> PRIOR FILING DATE: 1998-04-01
19 190<> PRIOR APPLICATION NUMBER: US 08/288,800
20 200<> PRIOR FILING DATE: 1998-04-01
21 210<> PRIOR APPLICATION NUMBER: US 08/356,663
22 220<> PRIOR FILING DATE: 1998-02-07
23 230<> PRIOR APPLICATION NUMBER: US 08/276,358
24 240<> PRIOR FILING DATE: 1998-07-15
25 250<> NUMBER OF SEQ ID NOS: 173
26 260<> SOFTWARE: FastSeq for Windows Version 3.0
27 270<> SEQ ID NO: 1
28 280<> LENGTH: 20
29 290<> TYPE: DNA
30 300<> ORGANISM: Artificial Sequence
31 310<> FEATURE:
32 320<> OTHER INFORMATION: Synthetic Oligonucleotide
33 330<> SEQUENCE: 1
34 340<> atgagctc agaggtctc
35 350<> SEQ ID NO: 1
36 360<> LENGTH: 20
37 370<> TYPE: DNA
38 380<> ORGANISM: Artificial Sequence
39 390<> FEATURE:
40 400<> OTHER INFORMATION: Synthetic Oligonucleotide
41 410<> SEQUENCE: 2
42 420<> atgagctc agaggtctc
43 430<> SEQ ID NO: 2
44 440<> LENGTH: 20
45 450<> TYPE: DNA
46 460<> ORGANISM: Artificial Sequence
47 470<> FEATURE:
48 480<> OTHER INFORMATION: Synthetic Oligonucleotide
49 490<> SEQUENCE: 3
50 500<> atgagctc agaggtctc
51 510<> SEQ ID NO: 3
52 520<> LENGTH: 20
53 530<> TYPE: DNA
54 540<> ORGANISM: Artificial Sequence
55 550<> FEATURE:

```

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/630,319

DATE: 08/11/2009

TIME: 11:11:31

Input Set A:\SEQ LISTING.txt

Output Set N:\CRF3\08142000\I630319.raw

```

68 223 OTHER INFORMATION: Synthetic oligonucleotide
69 100 SEQUENCE: 4
70 atgagatggt aagat
71 210 SEQ ID NO: 5
72 211 LENGTH: 19
73 212 TYPE: DNA
74 213 ORGANISM: Artificial Sequence
75 220 FEATURE:
80 223 OTHER INFORMATION: Synthetic oligonucleotide
81 100 SEQUENCE: 5
82 gaagacatg aatttgaat
83 210 SEQ ID NO: 6
84 211 LENGTH: 19
85 212 TYPE: DNA
86 213 ORGANISM: Artificial Sequence
87 220 FEATURE:
91 223 OTHER INFORMATION: Synthetic oligonucleotide
92 100 SEQUENCE: 6
93 gaatgacatt aagat
94 210 SEQ ID NO: 7
95 211 LENGTH: 20
96 212 TYPE: DNA
97 213 ORGANISM: Artificial Sequence
98 220 FEATURE:
101 223 OTHER INFORMATION: Synthetic oligonucleotide
102 100 SEQUENCE: 7
103 tcaatgacatt tcaatgacat
104 210 SEQ ID NO: 8
105 211 LENGTH: 20
106 212 TYPE: DNA
107 213 ORGANISM: Artificial Sequence
108 220 FEATURE:
112 223 OTHER INFORMATION: Synthetic oligonucleotide
113 100 SEQUENCE: 8
114 tcaatgacatt tcaatgacat
115 210 SEQ ID NO: 9
116 211 LENGTH: 20
117 212 TYPE: DNA
118 213 ORGANISM: Artificial Sequence
119 220 FEATURE:
121 223 OTHER INFORMATION: Synthetic oligonucleotide
122 100 SEQUENCE: 9
123 tcaatgacatt tcaatgacat
124 210 SEQ ID NO: 10
125 211 LENGTH: 20
126 212 TYPE: DNA
127 213 ORGANISM: Artificial Sequence
128 220 FEATURE:
133 223 OTHER INFORMATION: Synthetic oligonucleotide

```

RAW SEQUENCE LISTING
 EXTERNAL APPLICATION US/09/630,319
 DATE: 08/11/2009
 TIME: 11:11:11

Input Set : A:\SEQ LISTING.txt
 Output Set : N:\CRF3\08142000\1630319.raw

```

137 <175> SEQUENCE: 12
138 <175> gctagagctt agcgatt
139 <175> SEQ ID NO: 11
140 <175> LENGTH: 11
141 <175> TYPE: DNA
142 <175> ORGANISM: Artificial Sequence
143 <175> FEATURE:
144 <175> OTHER INFORMATION: Synthetic Oligonucleotide
145 <175> SEQUENCE: 12
146 <175> gctagagctt agcgatt
147 <175> SEQ ID NO: 12
148 <175> LENGTH: 12
149 <175> TYPE: DNA
150 <175> ORGANISM: Artificial Sequence
151 <175> FEATURE:
152 <175> OTHER INFORMATION: Synthetic Oligonucleotide
153 <175> SEQUENCE: 13
154 <175> gctagagctt agcgatt
155 <175> SEQ ID NO: 13
156 <175> LENGTH: 13
157 <175> TYPE: DNA
158 <175> ORGANISM: Artificial Sequence
159 <175> FEATURE:
160 <175> OTHER INFORMATION: Synthetic Oligonucleotide
161 <175> NAME: SEQ: modified base
162 <175> LOCATION: (1) ... (13)
163 <175> OTHER INFORMATION: m5c
164 <175> SEQUENCE: 13
W--> 175 gctagagctt agcgt
176 <175> SEQ ID NO: 14
177 <175> LENGTH: 14
178 <175> TYPE: DNA
179 <175> ORGANISM: Artificial Sequence
180 <175> FEATURE:
181 <175> OTHER INFORMATION: Synthetic Oligonucleotide
182 <175> NAME: SEQ: modified base
183 <175> LOCATION: (1) ... (13)
184 <175> OTHER INFORMATION: m5c
185 <175> SEQUENCE: 11
W--> 190 gctagagctt agngt
191 <190> SEQ ID NO: 15
192 <190> LENGTH: 20
193 <190> TYPE: DNA
194 <190> ORGANISM: Artificial Sequence
195 <190> FEATURE:
196 <190> OTHER INFORMATION: Synthetic Oligonucleotide
197 <190> SEQUENCE: 1
198 <190> gctagagctt agngt
199 <190> SEQ ID NO: 16

```

RAW SEQUENCE LISTING
 EVENT APPLICATION: US/09/630,319 DATE: 03/1/2000
 TIME: 11:11:11

Input Set : A:\SEQ LISTING.txt
 Output Set: N:\CRF3\08142000\1630319.raw

```

201-211 LENGTH: 20
202-212 TYPE: RNA
203-213 ORGANISM: Artificial Sequence
204-220 FEATURE
205-223 OTHER INFORMATION: Synthetic oligonucleotide
206-224 NAME/KEY: modified base
207-225 LOCATION: (3)...(3)
208-228 OTHER INFORMATION: mod
209-231 NAME/KEY: modified base
210-232 LOCATION: (10)...(10)
211-233 OTHER INFORMATION: mod
212-234 NAME/KEY: modified base
213-235 LOCATION: (11)...(11)
214-236 OTHER INFORMATION: mod
215-238 SEQUENCE: 16
W--> 224 atngactctn gagngttctc 20
226-230 SEQ ID NO: 17
227-231 LENGTH: 20
228-232 TYPE: DNA
229-233 ORGANISM: Artificial Sequence
230-236 FEATURE
231-234 OTHER INFORMATION: Synthetic oligonucleotide
232-235 NAME/KEY: modified base
233-237 LOCATION: (3)...(3)
234-238 OTHER INFORMATION: mod
235-239 SEQUENCE: 17
W--> 239 atngactctc gagggttctc 20
241-245 SEQ ID NO: 18
242-246 LENGTH: 20
243-247 TYPE: RNA
244-248 ORGANISM: Artificial Sequence
245-250 FEATURE
246-253 OTHER INFORMATION: Synthetic oligonucleotide
247-251 NAME/KEY: modified base
248-252 LOCATION: (18)...(18)
249-254 OTHER INFORMATION: mod
251-255 SEQUENCE: 18
W--> 254 atcgactctc gagggttctc 20
256-259 SEQ ID NO: 19
257-261 LENGTH: 20
258-262 TYPE: DNA
259-263 ORGANISM: Artificial Sequence
260-265 FEATURE
261-264 OTHER INFORMATION: Synthetic oligonucleotide
262-266 SEQUENCE: 19
265-269 atgaaattc gaacttctc 20
267-270 SEQ ID NO: 20
268-271 LENGTH: 20
269-271 TYPE: DNA

```

PATEX APPLICATION: US/09/630,319

11111, 11, 11, 11

```

=====
File:      N:\CSG\11081107\exe
=====
File:      Set:  N:\CRF3\08142000\I630319.raw
=====

```

```

=====
File:      N:\CSG\11081107\exe
=====
File:      Set:  N:\CRF3\08142000\I630319.raw
=====

```

```

209 - 212: ORGANISM: Artificial Sequence
211 - 220: FEATURE:
222 - 223: OTHER INFORMATION: Synthetic oligonucleotide
225 - 226: SEQUENCE: 20
226 gagaaagctg gaccttcac
228 - 229: SEQ ID NO: 21
230 - 231: LENGTH: 20
232 - 233: TYPE: DNA
234 - 235: ORGANISM: Artificial Sequence
236 - 240: FEATURE:
242 - 243: OTHER INFORMATION: Synthetic oligonucleotide
245 - 246: SEQUENCE: 21
246 gaaagctg gaccttcac
248 - 249: SEQ ID NO: 22
250 - 251: LENGTH: 20
252 - 253: TYPE: DNA
254 - 255: ORGANISM: Artificial Sequence
256 - 260: FEATURE:
262 - 263: OTHER INFORMATION: Synthetic oligonucleotide
265 - 266: SEQUENCE: 21
266 gaaagctg gaccttcac
268 - 269: SEQ ID NO: 23
270 - 271: LENGTH: 20
272 - 273: TYPE: DNA
274 - 275: ORGANISM: Artificial Sequence
276 - 280: FEATURE:
282 - 283: OTHER INFORMATION: Synthetic oligonucleotide
286 - 287: SEQUENCE: 23
287 gaaagctg gaccttcac
289 - 290: SEQ ID NO: 24
291 - 292: LENGTH: 20
293 - 294: TYPE: DNA
295 - 296: ORGANISM: Artificial Sequence
297 - 300: FEATURE:
302 - 303: OTHER INFORMATION: Synthetic oligonucleotide
306 - 307: SEQUENCE: 24
307 gaaagctg gaccttcac
309 - 310: SEQ ID NO: 25
311 - 312: LENGTH: 20
313 - 314: TYPE: DNA
315 - 316: ORGANISM: Artificial Sequence
317 - 320: FEATURE:
322 - 323: OTHER INFORMATION: Synthetic oligonucleotide
326 - 327: NAME/KEY: modified base
329 - 330: LOCATION: (9)...(11)
331 - 332: OTHER INFORMATION: m1c
333 - 334: SEQUENCE: 24
334 gaaagctg gaccttcac
336 - 337: SEQ ID NO: 26
338 - 339: LENGTH: 20
340 - 341: TYPE: DNA
342 - 343: ORGANISM: Artificial Sequence
344 - 348: FEATURE:
348 - 349: OTHER INFORMATION: Synthetic oligonucleotide
351 - 352: NAME/KEY: modified base
353 - 354: LOCATION: (11)...(14)
355 - 356: OTHER INFORMATION: m1c

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION N US/09/630,319

DATE: 08/11/2000

12ME 11.11.19

```
Input: 301 A:\SEQ LISTING.txt
```

Output File: N:\CRF3\08142000\1630319.raw

```

1411 H:370 C: Current Application Number differs. Replaced Current Application No
1411 H:371 C: Current Filing Date differs. Replaced Current Filing Date
14115 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 15
14160 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 11
14164 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 16
14169 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 11
14181 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 18
14181 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 21
14178 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 16
14188 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 16
14113 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 11
14118 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 15
14161 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 11
14168 H:311 W: (16) "n" or "Xaa" used. for SEQ ID# 15

```